

✓ Before line 32, insert - - Description of the
Preferred Embodiments - -

In the Abstract

Kindly replace the abstract with the new abstract page
which is herewith submitted.

In the Claims

Kindly amend the claims as follows:

1. (Amended) A method of stabilizing gravel, sand
crushed stone, rock and concrete structures which
are cracked, porous or have other cavities
difficult of access and sealing the same against
flows of water by injecting a pumpable, low-viscous
concrete, which is based on an aqueous dispersion
containing cement. [characterized by] which
comprises the steps of injecting aerated concrete
with a pore volume of at least 20% by volume into
the cavities that are difficult of access and are
to be sealed, [the] said aerated concrete being
first injected at [such] a low pressure whereby
[that] the aerated concrete remains intact, and the
aerated concrete being then exerted to an increased
pressure, [such that] whereby the aerated concrete
located in or in the vicinity of the cavities are
pressed further into the cavities.

2. (Amended) [A] The method according to claim 1, wherein the aqueous dispersion [comprising] comprises finely-ground cement, a dispersing agent and optionally fine-particulate material having a large specific surface, [characterized in] and that in the aerated concrete, existing air bubbles collapse when the aerated concrete is pressed further into the cavities, escaping air entraining cement and the fine particulate material, if any, into the cavities, where sedimentation and hydration take place.

3. (Amended) [A] The method according to claim 1 [or 2, characterized in that] wherein the aerated concrete has an air pore volume of 40-85%, is hydrophobic and is not spontaneously miscible with water.

4. (Amended) [A] The method according to [any one of the preceding claims, characterized in that] claim 1 wherein the aerated concrete contains an anionic surfactant of the general formula



wherein R is an aliphatic group having 4-20 carbon atoms in the group or in the groups R being 6-30, R₁ is an aromatic group containing at least 2

aromatic rings and 10-20 carbon atoms, and M is a preferably monovalent cation or hydrogen.

5. (Amended) [A] The method according to claim 1 wherein [any one of the preceding claims, characterized in that] the aerated concrete contains an accelerator, retarder [and/or] or thickening agent.
6. (Amended) [A] The method according to [any one of the preceding claims, characterized in that] claim 1 wherein the injection of the concrete occurs at a pressure below 3 bar, and that the pressure is then increased to at least 6 bar.
7. (Amended) Aerated concrete [characterized in that is has] having a pore volume of at least 20% and contains finely-ground cement with [such] a particle distribution [that] whereby at least 95% pass a screen with a mesh size of 64 μm , and 2-10% based on the weight of the cement, of a fine-particulate material with a particle size smaller than that of the cement.
8. (Amended) [Aerated] The aerated cement concrete according to claim 7, [characterized in that it has] comprising an air pore volume of at least 40-85% and contains 0.1-1 parts by weight of a dispersing agent,

- 35-80 [preferably] 50-70 parts by weight of water,
- 0-10 parts by weight of a fine-particulate material with a particle size smaller than that of the cement,
- 0-2.5 parts by weight of a resin having a molecular weight below 10,000 and a
- 0-2.5 parts by weight of an accelerator, retarder and/or thickening agent which control the hydration of the cement or gradually increase the viscosity of the concrete, and
- 0-2 parts by weight of a swelling additive per 100 parts by weight of cement.

9. (Amended) [Aerated] The aerated concrete according to claim 8, [characterized in that] wherein the dispersing agent contains a disulphonate of the general formula



wherein R is an aliphatic group having 4-20 carbon atoms, m is a number 1 or 2, the sum of the number of carbon atoms in the group or in the groups R being 6-30 R₁ is an aromatic group containing at least 2 aromatic rings and 10-20

carbon atoms, and M is a [preferably] monovalent cation or hydrogen.

10. (Amended) [Aerated] The aerated concrete according to claim 8 which comprises [any one of the claims 7-9, characterized in that it contains] 0.1-2.5 parts by weight of the resin [in claim 8].

11. [Aerated] The aerated concrete according to claim 8 comprising [any one of the claims 7-10 characterized in that it contains] 2-10% by weight of [the] fine-particulate material [in claim 8] and [that the] said cement [has such] having a particle size [that] whereby 95% by weight pass a screen with a mesh size of 32 μ m.

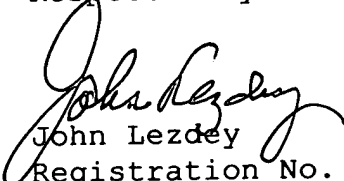
Remarks

The specification and claims have been amended so as to obviate any 35USC112 objections. The multiple dependencies have been deleted so as to avoid additional costs.

No new matter has been added.

Action on the merits is now requested.

Respectfully submitted,


John Lezdey
Registration No. 22,735

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John Lezdey & Associates
1409 N. Ft. Harrison
Unit A
Clearwater, FL 33755
(727) 441-1880

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